Model Categories

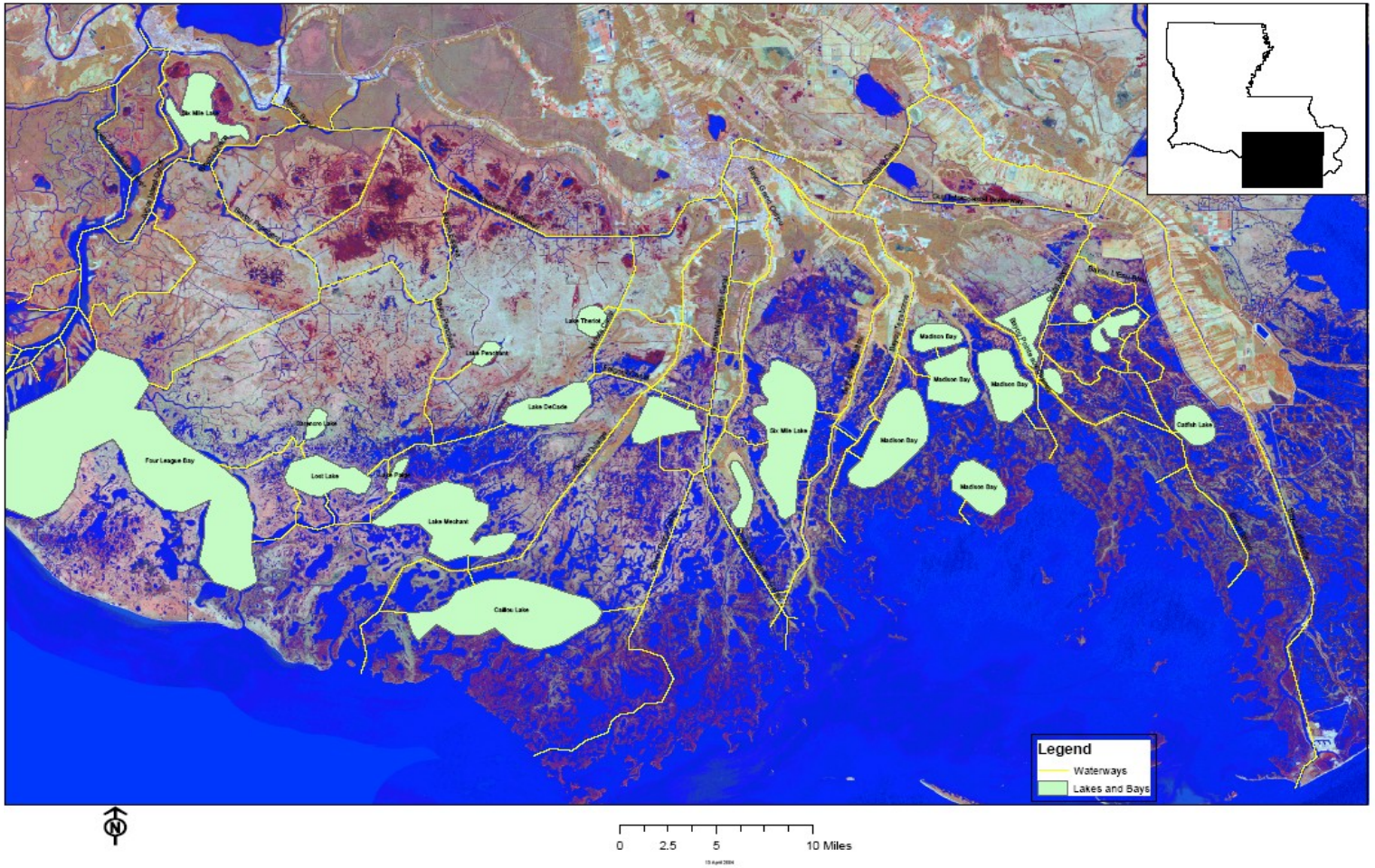
- Physical Model
  - Houma Navigation Canal Lock System and Bayou Grand Caillou Floodgate
- Numerical Models
  - System-Wide
  - Localized Interior Drainage
  - Small Structures

System-Wide Numerical Model

- Purpose
  - To assess the impact of the Proposed Project on the general trend of flow distribution, water surface elevation, and salinity intrusion along the main channels and lakes.
  - To develop the preliminary design of the Environmental Structures.

- Status
  - Topographic Survey has been completed and modeling effort for FY04 has been funded

Morganza to the Gulf of Mexico
Existing Lakes, Bays, and Channels



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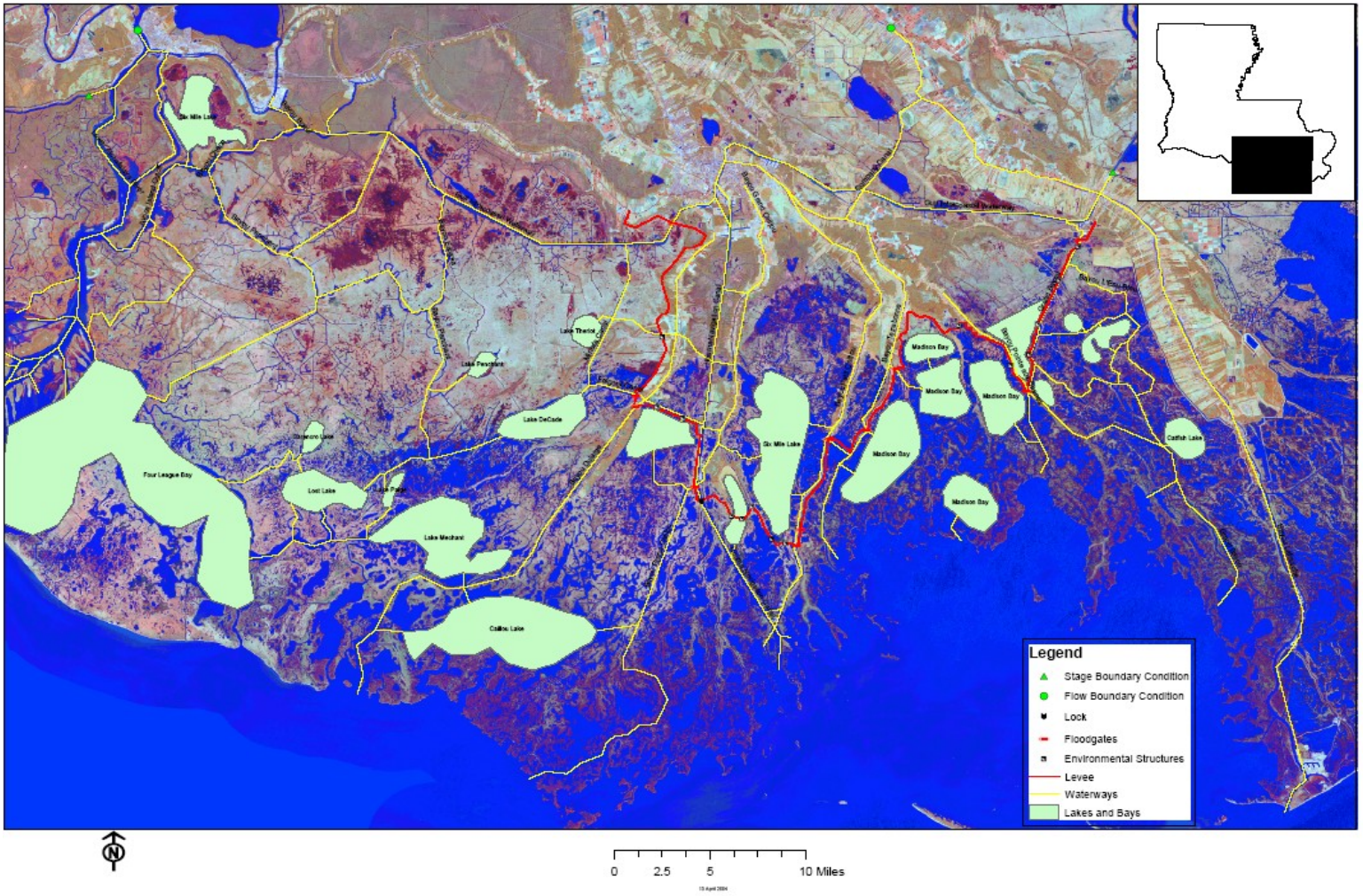
Morganza to the Gulf of Mexico System-Wide Model



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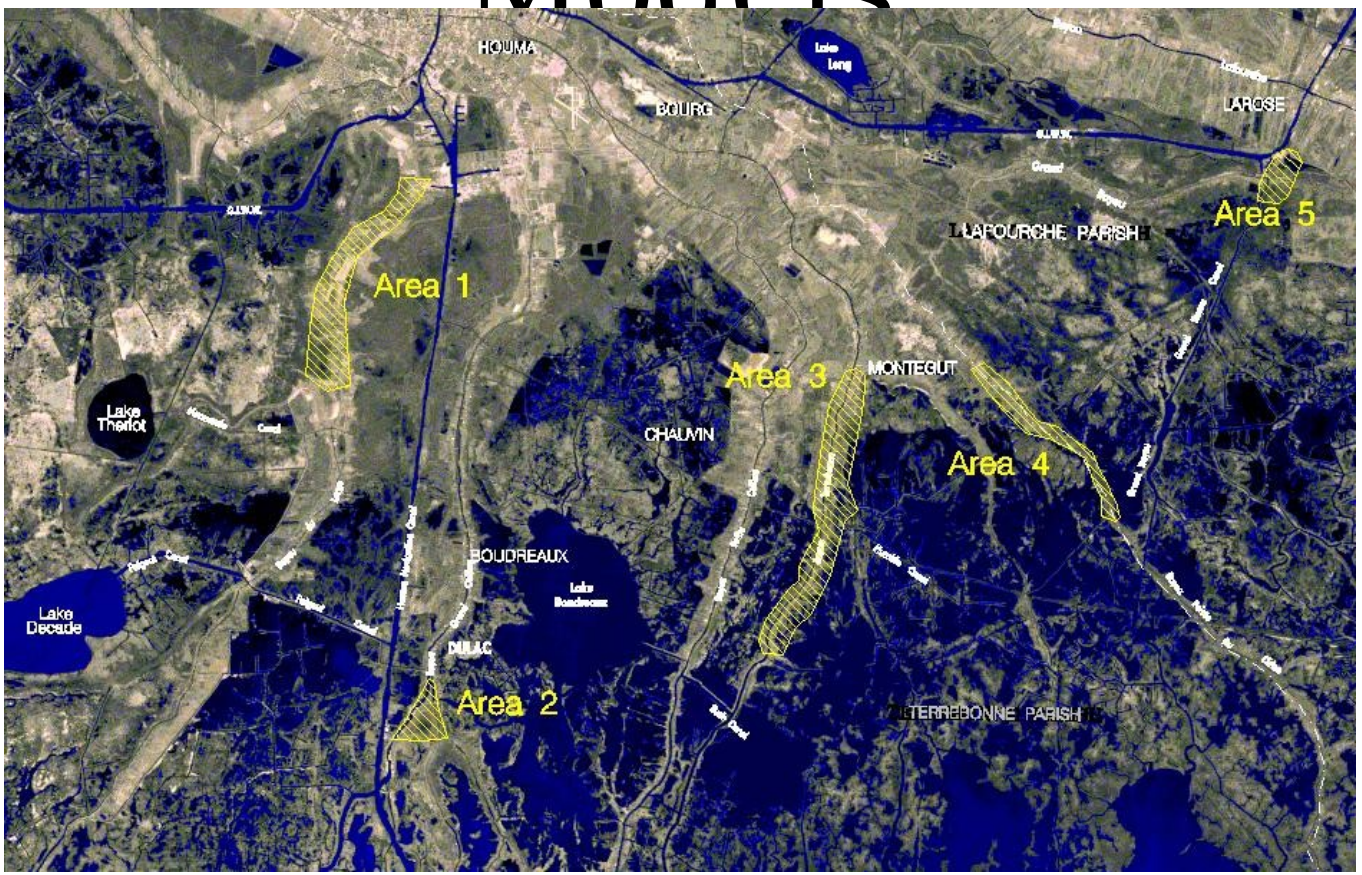
Localized Interior Drainage Numerical Models

- Purpose
  - To analyze the drainage of areas that will become hydraulically isolated due to the proposed project

- Status
  - Topographic survey should be conducted in FY04

Localized Interior Drainage Numerical Models

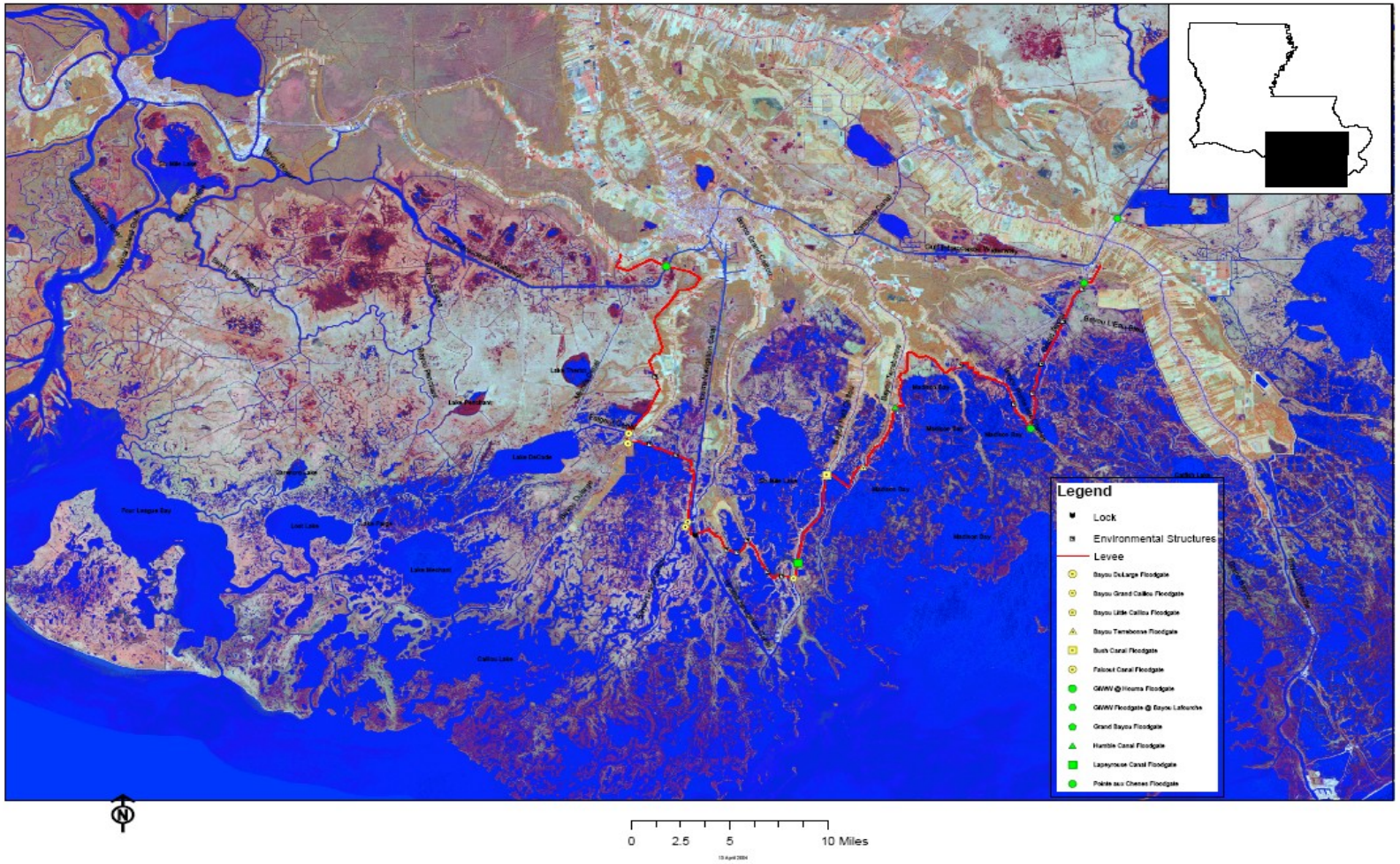


Small Structures Numerical Models

- Purpose
  - Establish the width and approximate location of each floodgate to allow for safe navigation

- Status
  - Bayou Point Aux Chenes Floodgate Model has been completed
  - Other 11 proposed floodgate models to be scheduled

Morganza to the Gulf of Mexico
Proposed Project



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